



# Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003060 Transaction Set 846S Inventory Inquiry/Advice (LR Storage Transfer/Order/Reply)

**Implementation Convention** 



U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
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<sup>&</sup>lt;sup>1</sup>At Boulder, CO 80303.

<sup>&</sup>lt;sup>2</sup>Some elements at Boulder, CO.

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## **Implementation Convention**

Electronic Commerce Acquisition Program Management Office Standard Management Committee - Secretariat National Institute of Standards and Technology Gaithersburg, MD 20899-0001

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U.S. DEPARTMENT OF COMMERCE William M. Daley, Secretary

Technology Administration

Gary R. Bachula, Acting Under Secretary for Technology

National Institute of Standards and Technology Raymond G. Kammer, Director

### **Reports on Information Technology**

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

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## 846 Inventory Inquiry/Advice

Functional Group ID=IB

#### **Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

#### Notes:

- 1. Losing Item Mangers (LIMs) use this transaction set to notify the distribution depot that ownership of stored wholesale assets has transferred to the Gaining Item Manger (GIM) and to request asset information. Distribution depots use this transaction set to report asset information to the LIM.
- 2. Use a single occurrence of this transaction set to exchange transactions between a single LIM and a single or multiple distribution depots, or between a single distribution depot and a single or multiple LIMs. Use one occurrence of this transaction set to transmit a single or multiple transactions.
- 3. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.

#### Heading:

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	Name Transaction Set Header	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
Must Use	020	BIA	Beginning Segment for Inventory	M	I		
Not Used	040	CUR	Inquiry/Advice Currency	O	1		
Not Used	050	DTM	Date/Time Reference	O	10		
Not Used	060	REF	Reference Identification	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		
Not Used	075	MEA	Measurements	О	20		
			LOOP ID - NI			5	
Must Use	080	N1	Name	O	1	ds.	
Not Used	090	N2	Additional Name Information	O	2		
Not Used	100	N3	Address Information	O	2		
Not Used	110	N4	Geographic Location	О	I		
Not Used	120	REF	Reference Identification	О	12		
Not Used	130	PER	Administrative Communications Contact	O	3		
			LOOP ID - LM			10	
Must Use	140	LM	Code Source Information	O	T	4. 38 KA	
Must Use	150	LQ	Industry Code	М	100		

#### Detail:

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	Pos.	Seg. <u>ID</u>	Name LOOP ID - LIN	Req. <u>Des.</u>	Max.Use	Loop Repeat 10000	Notes and Comments
Must Use	010	LIN	Item Identification	М	I	10000	
Not Used	030	PID	Product/Item Description	O	200		
Not Used	040	MEA	Measurements	0	40		
Not Used	050	PKG	Marking, Packaging, Loading	0	25		
Not Oscu	100	DTM	Date/Time Reference	0	10		
Not Used	110	CTP	Pricing Information	0	25		
Not Used	120	CUR	Currency	0	1		
Not Used	I30	SAC	Service, Promotion, Allowance, or Charge	0	25		
			Information				
Must Use	I40	REF	Reference Identification	O	>1		
Not Used	150	PER	Administrative Communications Contact	О	3		
Not Used	220	SDQ	Destination Quantity	O	500		
Not Used	230	MAN	Marks and Numbers	O	I		
Not Used	235	UIT	Unit Detail	O	5		
Not Used	240	CS	Contract Summary	O	I		
Not Used	250	DD	Demand Detail	O	>I		
Not Used	255	G53	Maintenance Type	O	1		
Not Used	256	PCT	Percent Amounts	O	>1		
Not Used	257	LDT	Lead Time	O	12		
			LOOP ID - LM		***	10	
Not Used	260	LM	Code Source Information	О	I		
Not Used	270	LQ	Industry Code	M	100		
			LOOP ID - SLN			1000	
Not Used	280	SLN	Subline Item Detail	O	I		
Not Used	290	PID	Product/Item Description	0	200		
Not Used	300	MEA	Measurements	0	40		
Not Used	310	PKG	Marking, Packaging, Loading	0	25		
1101 0304	510	1110	LOOP ID - MAN		23	100	
Not Used	312	MAN	Marks and Numbers	O	1	100	-
Not Used	314	MEA	Measurements	0	40		
Not Oscu	314	WEA			70		
			LOOP ID - QTY			<b>9</b> 9	
	320	QTY	Quantity	О	I		
Not Used	330	UIT	Unit Detail	О	I2		
Not Used	340	MEA	Measurements	О	25		
Not Used	350	LDT	Lead Time	О	12		
Not Used	355	DTM	Date/Time Reference	0	10		
			LOOP ID - SCH			25	
Not Used	360	SCH	Line Item Schedule	О	I		
Not Used	370	MEA	Measurements	O	25		
			LOOP ID - LM			>1	
	375	LM	Code Source Information	О	I		
Must Use	376	LQ	Industry Code	М	100		
Not Used	380	LS	Loop Header	0	I		
Not Oscu	200	Lo	LOOP ID - REF		1	>1	
Not Used	200	DEE		0	T	>1	nl
Not Used	390	REF	Reference Identification	0	I		nl
Not Used	400	DTM	Date/Time Reference	О	>1		

Not Used	410	N1	Name	0	1		
			LOOP ID - LM			10	
Not Used	420	LM	Code Source Information	0	#5645 #55.2 #5. 1	di	Alter Are
Not Used	430	LQ	Industry Code	M	100		
Not Used	440	LE	Loop Trailer	0	1		
			LOOP ID - N1			200	
Must Use	450	N1	об совершення под обер Майда-комприя деней обер обер обер обер обер обер обер обер	0	1	6%,	
Not Used	460	N2	Additional Name Information	0	2		
Not Used	470	N3	Address Information	О	2		
Not Used	480	N4	Geographic Location	O	1		
Not Used	490	REF	Reference Identification	O	12		
Not Used	500	PER	Administrative Communications Contact	O	3		

### **Summary:**

	Pos.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	010	CTT	Transaction Totals	Ō	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

#### **Transaction Set Notes**

- 1. The REF loop conveys serial number, lot number, and inventory data.
- 2. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

Segment: ST Transaction Set Header

Position: 010

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the

interchange partners to select the appropriate transaction set definition (e.g., 810

selects the Invoice Transaction Set).

Comments:

			Data Eleli	ient Summary		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Attr	ributes
Must Use	ST01	143	Transaction Set I	dentifier Code	M	ID 3/3
			Code uniquely idea	ntifying a Transaction Set		
			846	X12.28 Inventory Inquiry/Advice		
Must Use	ST02	329	Transaction Set C	Control Number	M	AN 4/9
			Identifying control	number that must be unique within the	transact	tion set
			functional group as	ssigned by the originator for a transaction	n set	
			A unique number	assigned by the originator of the transc	action s	et, or the
			originator's applic	ation program.		

Segment: BIA Beginning Segment for Inventory Inquiry/Advice

Position: 020

Loop:

Level: Heading Usage: Mandatory

Max Use:

Purpose: To indicate the beginning of an Inventory Inquiry/Advice Transaction Set

Syntax Notes:

Semantic Notes: 1 BIA03 identifies the number of the inquiry/advice that is transferred.

2 BIA04 identifies the date of the inquiry/advice that is transferred.

3 BIA05 identifies the time of the inquiry/advice that is transferred.

**Comments:** 

	Ref.	Data				
	Des.	Element	<u>Name</u>			<u>ributes</u>
Must Use	BIA01	353	Transaction Set Pu Code identifying pu	urpose Code urpose of transaction set	M	ID 2/2
			00	Original		
			77	Simulation Exercise		
				Use to identify a simulated mobilizar transaction set. Activities initiating s mobilization exercises must ensure c coordination with all activities involtransaction set recipients must use ensure that individual transactions a action documents which affect according	simulate complet ved. Al xtreme do not p	ed le caution to process as
Must Use	BIA02	755	Report Type Code			ID 2/2
				title or contents of a document, report	or supp	orting item
			PK	Storage Information Inquiry		
			TO	Use to identify a Logistics Reassign ownership transfer order.	nent (L	R) storage
			TQ	Storage Information Advice		
				Use to identify an LR storage owner, reply.	-	
Must Use	BIA03	127	specified by the Ref Use Code "Z" for t	cation ion as defined for a particular Transact ference Identification Qualifier this data element to satisfy mandatory		
B. # 4 TT	DIAGA	252	requirements.		ъл	DT C/C
Must Use	BIA04	373	Date Date (YYMMDD)		M	DT 6/6
				e of transaction set preparation. This of Coordinate (UTC).	date coi	rresponds to
	BIA05	337	Time		0	TM 4/8
			HHMMSSD, or HH 59), S = integer second are expressed as fol	24-hour clock time as follows: HHMM, HMMSSDD, where H = hours (00-23), onds (00-59) and DD = decimal second lows: D = tenths (0-9) and DD = hundrinating activity's time of transaction second	M = mi ls; decir edths ((	nutes (00- nal seconds 00-99)
			UTC.	nating activity's time of transaction so a four-position (HHMM) format.	zi prepa	ration in
			A TA			
Not Used	BIA06	306	Action Code Code indicating typ	e of action	0	ID 1/2

Segment:	N1	Name
----------	----	------

Position: 080

> N1 Optional (Must Use) Loop:

Heading Level:

Usage: Optional (Must Use)

Max Use:

Purpose: To identify a party by type of organization, name, and code

At least one of N102 or N103 is required. Syntax Notes:

> 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

This segment, used alone, provides the most efficient method of providing Comments:

organizational identification. To obtain this efficiency the "ID Code" (N104) must

provide a key to the table maintained by the transaction processing party.

N105 and N106 further define the type of entity in N101.

Must use the 1/N1/080 loop to identify the organization originating the transaction set. Notes:

			Data Elem	ent Summary		
	Ref. Des.	Data Element	Name		Att	ributes
Must Use	N101	98	Entity Identifier C		M	ID 2/2
			Code identifying an	organizational entity, a physical location	, or a	ın individual
			Use only one of cod	de SB or ZN.		
			SB	Storage Area		
				Use to identify a depot or other storage	acti	vity.
			ZN	Losing Inventory Manager		700.777 100
				The organization losing management re an individual item of supply	spon	siblity for
Not Used	N102	93	Name Free-form name		X	AN 1/35
Must Use	N103	66	<b>Identification Cod</b>	e Qualifier	X	ID 1/2
			Code designating the Code (67)	ne system/method of code structure used f	or Id	entification
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Fo Suffix	ur Cl	naracter
			10	Department of Defense Activity Addres (DODAAC)	s Co	de
			M4	Department of Defense Routing Identifi	er C	ode (RIC)
				An integral and predetermined participal established logistical system performing control, distribution, and storage function	g gen	
Must Use	N104	67	Identification Cod Code identifying a	e	X	AN 2/20
Not Used	N105	706	Entity Relationship Code describing ent		O	ID 2/2
Must Use	N106	98	Entity Identifier C	ode	O	ID 2/2
			Code identifying an	organizational entity, a physical location	, or a	n individual
			FR	Message From		, , , , , , , , , , , , , , , , , , ,
				Must use with the appropriate 1/N101/cindicate the organization cited in N104		

the transaction set.

Segment: LM Code Source Information

Position: 140

Loop: LM Optional (Must Use)

Level: Heading

Usage: Optional (Must Use)

Max Use: 1

Purpose: To transmit standard code list identification information

Syntax Notes: Semantic Notes:

Comments:

Comments: 1 LM02 identifies the applicable industry code list source information.

Notes: Must use this 1/LM/140 loop to identify coded information used in department or

agency documentation.

	Ref.	Data				
	Des.	Element	Name		Attr	ributes
Must Use	LM01	559	Agency Qua	alifier Code	M	ID 2/2
			Code identif	fying the agency assigning the code values		
			DF	Department of Defense (DoD)		
Not Used	LM02	822	Source Sub		O	AN 1/15
			A reference	that indicates the table or text maintained by the	Sour	ce Qualifier

Segment: LQ Industry Code

Position: 150

Loop: LM Optional (Must Use)

Level: Heading Usage: Mandatory

Max Use: 100

Purpose: Code to transmit standard industry codes

Syntax Notes: 1 If LQ01 is present, then LQ02 is required.

Semantic Notes:

Comments:

Notes: Use to identify codes, as appropriate, consistent with management information

requirements.

Must Use	Ref. Des. LQ01	Data Element 1270	Name Code List Qual Code identifying	lifier Code g a specific industry code list	Attı O	ributes ID 1/3
			0	Document Identification Code Codes that subclassify a transaction		
Must Use	LQ02	1271	Industry Code Code indicating	a code from a specific industry code list	X	AN 1/30

Segment:	LIN Item Identification
Position:	010
Loop:	LIN Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
_	- 10 1 1 1 10 10

Purpose: To specify basic item identification data

Syntax Notes: 1 If either LIN04 or LIN05 is present, then the other is required.

- If either LIN06 or LIN07 is present, then the other is required.
  If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.

14 If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes: 1 LIN01 is the line item identification

Comments: 1 See the Data Dictionary for a complete list of IDs.

2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Must use the 2/LIN/010 loop to identify the National Stock Number (NSN), transaction number, and inventory information.

	Ref.	Data	Data Diement Summary		
	Des.	Element	Name	Attı	ributes
Not Used	LIN01	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation within a	ı tran	saction set
Must Use	LIN02	235	Product/Service ID Qualifier	M	ID 2/2
			Code identifying the type/source of the descriptive number us	sed ir	ı
			Product/Service ID (234)		
			FS National Stock Number		
Must Use	LIN03	234	Product/Service ID	M	AN 1/40
			Identifying number for a product or service		
Not Used	LIN04	235	Product/Service ID Qualifier		ID 2/2
			Code identifying the type/source of the descriptive number us	sed ir	1
NI 4 TI 1	T TNIOS	22.4	Product/Service ID (234)	3.7	4 NT 4 /40
Not Used	LIN05	234	Product/Service ID  Identifying number for a product or service	X	AN 1/40
NI-4 TI J	T TNIOC	225	Identifying number for a product or service	<b>5</b> 7	ID 2/2
Not Used	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number us		ID 2/2
			Product/Service ID (234)	seu II	ı
Not Used	LIN07	234	Product/Service ID (254)	X	AN 1/40
1100 0500	LII (U)	20.	Identifying number for a product or service	1	111 17 10
Not Used	LIN08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number us		
			Product/Service ID (234)		
Not Used	LIN09	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN10	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number us Product/Service ID (234)	sed in	1
			` '		

Identifying number for a product or service	846S - Invent	ory Inquiry/A	dvice (LR	Storage Transfer/Order/Reply)		
Code identifying the type/source of the descriptive number used in Product/Service ID (234)   Not Used   LIN13   234   Product/Service ID qualifier   X   ID 2/2   Code identifying number for a product or service   Not Used   LIN15   234   Product/Service ID Qualifier   X   ID 2/2   Code identifying number for a product or service   ID qualifier   X   ID 2/2   Code identifying number for a product or service   ID qualifier   X   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID (234)   Product/Service ID   X   AN 1/40   Identifying number for a product or service   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID (234)   Product/Service ID Qualifier   X   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2   Code identifying number for a product or service   ID 2/2   Code identifying number for a product or service   ID 2/2   Code identifying number for a product or service   ID 2/2   Code identifying number for a product or service   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2   Code identifying number for a product or service   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2   Code identifying the type/source of the descriptive number used in Product/Service ID Qualifi	Not Used	LIN11	234		X	AN 1/40
Not Used   LIN14   234   Product/Service ID   Identifying number for a product or service   Not Used   LIN14   235   Product/Service ID (234)	Not Used	LIN12	235	Code identifying the type/source of the descriptive number		
Not Used   LIN15   234   Product/Service ID (234)	Not Used	LIN13	234	Product/Service ID	X	AN 1/40
Not Used LIN16 234 Product/Service ID Qualifier X ID 2/2  Not Used LIN16 235 Product/Service ID Qualifier X ID 2/2  Not Used LIN17 234 Product/Service ID (234)  Not Used LIN18 235 Product/Service ID Qualifier X ID 2/2  Not Used LIN18 235 Product/Service ID Qualifier X ID 2/2  Not Used LIN18 235 Product/Service ID Qualifier X ID 2/2  Code identifying number for a product or service  Not Used LIN19 234 Product/Service ID Qualifier X ID 2/2  Not Used LIN20 235 Product/Service ID Qualifier X ID 2/2  Not Used LIN20 235 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN21 234 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN21 234 Product/Service ID Qualifier X ID 2/2  Code identifying number for a product or service  Not Used LIN22 235 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN23 234 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN24 235 Product/Service ID Qualifier X ID 2/2  Code identifying number for a product or service  Not Used LIN25 234 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN25 234 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN26 235 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN28 235 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN28 235 Product/Service ID Qualifier X ID 2/2  Code identifying the type/source of the descriptive number used	Not Used	LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number		
Not Used   LIN16   235   Product/Service ID Qualifier   X   ID 2/2	Not Used	LIN15	234	Product/Service ID	X	AN 1/40
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Not Used   LIN20   234   Product/Service ID   Identifying number for a product or service	Not Used	LIN18	235	Code identifying the type/source of the descriptive number		
Code identifying the type/source of the descriptive number used in Product/Service ID (234)   Not Used   LIN21   234   Product/Service ID (234)   X   AN 1/40     Identifying number for a product or service   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID (234)   X   AN 1/40     Not Used   LIN23   234   Product/Service ID (234)   X   AN 1/40     Identifying number for a product or service   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID (234)     Not Used   LIN24   235   Product/Service ID Qualifier   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID (234)     Not Used   LIN25   234   Product/Service ID Qualifier   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID (234)     Not Used   LIN27   234   Product/Service ID Qualifier   X   AN 1/40     Identifying number for a product or service     Not Used   LIN28   235   Product/Service ID Qualifier   X   AN 1/40     Identifying number for a product or service     Not Used   LIN28   235   Product/Service ID Qualifier   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2     AN 1/40   Identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2     Code identifying the type/source of the descriptive number used in Product/Service ID Qualifier   X   ID 2/2     AN 1/40   Identifying number   X   ID 2/2	Not Used	LIN19	234	Product/Service ID	X	AN 1/40
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Code identifying the type/source of the descriptive number used in Product/Service ID (234)  Not Used LIN29 234 Product/Service ID X AN 1/40	Not Used	LIN27	234	Product/Service ID	X	AN 1/40
Not Used LIN29 234 Product/Service ID X AN 1/40	Not Used	LIN28	235	Code identifying the type/source of the descriptive number		
	Not Used	LIN29	234	Product/Service ID	X	AN 1/40
Not Used LIN30 235 Product/Service ID Qualifier X ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234)	Not Used	LIN30	235	Code identifying the type/source of the descriptive number		
Not Used LIN31 234 Product/Service ID X AN 1/40 Identifying number for a product or service	Not Used	LIN31	234	Product/Service ID	X	AN 1/40

DTM Date/Time Reference Segment:

Position: 100

LIN Loop: Mandatory

Level: Detail Usage: **Optional** Max Use:

To specify pertinent dates and times Purpose:

At least one of DTM02 DTM03 or DTM06 is required. **Syntax Notes:** 

If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:** 

Comments:

Notes: Use multiple repetitions of this segment to define unique dates associated with the

transaction.

			Data Elem	ent Summary		
	Ref. Des.	Data Element	Name		Attı	ributes
Must Use	DTM01	374	Date/Time Qualifi	ier		ID 3/3
			Code specifying ty	pe of date or time, or both date and time		
			007	Effective		
			036	Must use for LR storage ownership tra transactions to identify the Effective T (ETD); otherwise, do not use. Expiration		
				Date coverage expires		
Use for LR storage ownership transfer order transactions for subsistence items to identify texpiration date; otherwise, do not use.						
Mr.				Date Packed		K* - 1970;
				Use for LR storage ownership transfer transactions for subsistence items to in packed; otherwise, do not use.		
Must Use	DTM02	373	Date Date (YYMMDD)		X	<b>DT</b> 6/6
Not Used	DTM03	337	HHMMSSD, or HF 59), S = integer sec	24-hour clock time as follows: HHMM, o HMMSSDD, where H = hours (00-23), M onds (00-59) and DD = decimal seconds; llows: D = tenths (0-9) and DD = hundred	= mii decin	nutes (00- nal seconds
Not Used	DTM04	623	Time Code	` ,	O	ID 2/2
			Organization standa in hours in relation	e time. In accordance with International Sard 8601, time can be specified by a + or to Universal Time Coordinate (UTC) time, + and - are substituted by P and M in the	and a	an indication ce + is a
	DTM05	624	Century		O	N0 2/2
			The first two charac	cters in the designation of the year (CCYY	<i>(</i> )	
Not Used	DTM06	1250	Date Time Period Code indicating the	Format Qualifier date format, time format, or date and time	X e form	ID 2/3 nat
Not Used	DTM07	1251	Date Time Period Expression of a date	e, a time, or range of dates, times or dates	X and t	AN 1/35 imes

Segment: REF Reference Identification

Position: 140

Loop: LIN Mandatory

Level: Detail

Usage: Optional (Must Use)

Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 

1 REF04 contains data relating to the value cited in REF02.

**Comments:** 

Notes: Must use to identify the transaction number.

	Ref.	Data	Nama	A 44.	dhutaa
Must Use	Des. REF01	Element 128	Name Reference Identification Qualifier Code qualifying the Reference Identification TN Transaction Reference Number	M	ributes ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	X Set o	AN 1/30 or as
Not Used	REF03	352	<b>Description</b> A free-form description to clarify the related data elements ar	X nd the	AN 1/80 eir content
Not Used	REF04	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification in specified by the Reference Qualifier	umb	ers as
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M	ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	M Set o	AN 1/30 or as
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	X Set o	AN 1/30 or as
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	X Set o	AN 1/30 or as

Segment: QTY Quantity

Position: 320

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: Semantic Notes:

Comments:

Notes: Use multiple iterations of the 2/QTY/320 loop when exchanging asset status

	notes.	15. 31	•	ties by material classification.	A AMARIAMETER CONTRACTOR
			Data Eleme	ent Summary	
	Ref.	Data			
	Des.	Element	Name		<b>Attributes</b>
Must Use	QTY01	673	<b>Quantity Qualifier</b>		M ID 2/2
			Code specifying the	type of quantity	
			V1	Retention Quantity	
			V2	For LR storage this represents by the LIM. For ransactions this ed by the LIM. corresponding	
			V3	Use for LR ownership transfer reply to identify the quantity transferred to GI otherwise, do not use. To reverse all of previously submitted LR ownership transfer Quantity to Transfer Quantity	M ownership; or part of a ansfer reply, use
				Use for LR storage ownership transfer transactions to identify the quantity to to GIM ownership; otherwise, do not all or part of an LR storage ownership use a minus sign in front of the quant reversed.	be transferred use. To reverse o transfer order,
Must Use	QTY02	380	Quantity Numeric value of qu	antity.	M R 1/15
			interpretational beautiful properties and the control of the contr		· · · · · · · · · · · · · · · · · · ·
		Y03 C001	Express as a number with no decimals.		
	QTY03		Composite Unit of		0
			To identify a compo of use)	site unit of measure (See Figures Appea	ndix for examples
Must Use	C00101	355	Unit or Basis for M	leasurement Code	M ID 2/2
			Code specifying the	units in which a value is being expresse	d, or manner in

which a measurement has been taken Use to accommodate legacy system requirements. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for applicable codes. Not Used 1018 C00102 Exponent O R 1/15 Power to which a unit is raised **Not Used** C00103 649 Multiplier R 1/10 Value to be used as a multiplier to obtain a new value **Not Used** C00104 355 Unit or Basis for Measurement Code ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

o los mileni	ory miquity/120	(222 2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Not Used	C00105	1018	Exponent Power to which a unit is raised	0	R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	0	R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken	O l, or	ID 2/2 manner in
Not Used	C00108	1018	Exponent Power to which a unit is raised	0	R 1/15
Not Used	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	0	R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken	O l, or	ID 2/2 manner in
Not Used	C00111	1018	Exponent Power to which a unit is raised	O	R 1/15
Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	0	R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken	O l, or	ID 2/2 manner in
Not Used	C00114	1018	Exponent Power to which a unit is raised	0	R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	0	R 1/10

Segment: LM Code Source Information

Position: 375

Loop: LM Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To transmit standard code list identification information

Syntax Notes: Semantic Notes:

Comments: 1 LM02 identifies the applicable industry code list source information.

Notes: Use the 2/LM/375 loop to identify coded information maintained in department or

agency documentation.

	Ref. Des.	Data Element	<u>Name</u>	Attı	ributes
Must Use	LM01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			DF Department of Defense (DoD)		
Not Used	LM02	822	Source Subqualifier	0	AN 1/15
			A reference that indicates the table or text maintained by the	Sour	ce Qualifier

Segment: LQ Industry Code

Position: 376

Loop: LM Optional

Level: Detail Usage: Mandatory

Max Use: 100

Purpose: Code to transmit standard industry codes

Syntax Notes: 1 If LQ01 is present, then LQ02 is required.

Semantic Notes: Comments:

comments

Notes: Use to identify codes, as appropriate, consistent with management information

requirements.

#### **Data Element Summary**

Must Use	Ref. <u>Des.</u> LQ01	Data Element 1270	Name Code List Qualifier Code Code identifying a specific industry code list  Attributes O ID 1/3				
			Use one of codes	99 or A1 (but not both) as appropriate.			
			83	Supply Condition Code			
				Classifies material by readiness for issue and use, describes actions underway to change the status of material, or identifies material as excess or not serviceable			
			87	Subsistence Type of Pack Code			
				A certain level of protection from the packing or outside shipping container for perishable and nonperishable subsistence items			
			99	Use for subsistence items to identify subsistence type of pack information. Purpose Code			
			Al	Codes that inform the material owner why an inventory balance is being reserved Ownership Code			
Must Use	LQ02	1271	Industry Code	Items included in the inventory records of an organization that is not the owner of the items  X AN 1/30			

Code indicating a code from a specific industry code list

N1 Name Segment:

Position:

Loop: N1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use:

Purpose: To identify a party by type of organization, name, and code

At least one of N102 or N103 is required. Syntax Notes:

If either N103 or N104 is present, then the other is required.

**Semantic Notes:** 

This segment, used alone, provides the most efficient method of providing Comments: 1

organizational identification. To obtain this efficiency the "ID Code" (N104) must

provide a key to the table maintained by the transaction processing party.

N105 and N106 further define the type of entity in N101.

Must use this 2/N1/450 loop to identify the organization to receive the transaction. Notes:

	~ .		Data Elemo	ent Summary			
Must Use	Ref. <u>Des.</u> N101	Data Element 98	Name Entity Identifier Code identifying an	ode organizational entity, a physical location	M	butes ID 2/2 individual	
			Use only one of cod				
			SB	Storage Area			
				Use to identify a depot or other storage	activi	ty.	
			ZN	Losing Inventory Manager			
			70	The organization losing management responsibli an individual item of supply			
			ZP	Gaining Inventory Manager		11-11-	
				The organization assuming managemen for an individual item of supply	t respo	onsibility	
				Use only for LR storage ownership transactions to identify the GIM. Do ne reversing a previously submitted transactions	ot use	when	
Not Used	N102	93	Name	reversing a previously submitted transi		AN 1/35	
			Free-form name				
Must Use	N103	66	Identification Code Code designating th Code (67)	e Qualifier e system/method of code structure used f		ID 1/2 ntification	
			1	D-U-N-S Number, Dun & Bradstreet			
			9	D-U-N-S+4, D-U-N-S Number with Fo Suffix	ur Cha	racter	
			10	Department of Defense Activity Addres (DODAAC)			
			M4	Department of Defense Routing Identifi		• •	
				An integral and predetermined participal established logistical system performing control, distribution, and storage function	g gener		
Must Use	N104	67	Identification Code Code identifying a p	e		AN 2/20	
Not Used	N105	706	Entity Relationship Code describing ent		0	ID 2/2	
	N106	98	Entity Identifier Co	ode	0	ID 2/2	
			Code identifying an	organizational entity, a physical location	, or an	individual	
			TO	Message To			
				Must use with 2/N101/450 codes SB or the organization cited in N104 is to rec			

transaction.

Segment: SE Transaction Set Trailer

Position: 020

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted

segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

**Semantic Notes:** 

Comments: 1 SE is the last segment of each transaction set.

	Ref.	Data			
	Des.	Element	<u>Name</u>	ttr	ibutes
Must Use	SE01	96	Number of Included Segments	M	N0 1/10
			Total number of segments included in a transaction set includin segments	g S	T and SE
Must Use	SE02	329		M	AN 4/9
wiust Use	SEUZ	349	Transaction Set Control Number	VI.	AIT 4/9
			Identifying control number that must be unique within the trans		ion set
			functional group assigned by the originator for a transaction set		
			Cite the same number as the one cited in ST02.		







# NIST Technical Publications

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